



# Data Journals & Acknowledgment of CDRs

## Open Discussion

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# Dataset journals

- Journals
  - *Earth Systems Science Data* (Copernicus)
  - *Geoscience Data Journal* (Wiley)
- Scope
  - for the publication of articles on original research data, furthering the reuse of high (reference) quality data of benefit to Earth System Sciences
  - “Any interpretation of data is outside the scope of regular articles.”
  - “Any comparison to other methods is out of scope of regular articles.”
- Articles are uniquely linked to Archived Data via DOI

# Problem:

## Confusion of which dataset was used

- Clarity of dataset attribution
  - A dataset is not clearly delineated in a journal article
  - “... we used sea surface temperature to obtain...”
- Clarity of dataset
  - Dataset has no clearly defined reference
  - “ ... we used NOAA’s sea surface temperature to obtain...”
- Clarity of dataset version
  - Datasets change, corrected, etc.
  - “ ... we used NOAA’s weekly OISST to obtain ...”

“ ... we used NOAA’s weekly OISST [v5.2, described by Reynolds *et al* (2003)] to obtain ...”

# Comparative outline

## Science journal

- Introduction
- Datasets
- Methods
- Results
- Discussion
- Summary

Focuses on  
HOW? WHY?

## Data Journal

- Introduction
- Method
- Dataset description
  - File format(s)
  - Variables
  - Quality
  - Precision
- Dataset availability
- Summary

Focuses on  
WHAT? WHEN?

# One possible approach

- Special issue of *Earth Systems Science Data* for Climate Data Records
- ESSD article describes dataset
  - Other journal articles describe method & processes
  - This article describes dataset
  - Article links directly to specific dataset in archive (DOI)

# Discussion

- Your thoughts on the approach described above?
- Is there a need for a separate Dataset Journal article in addition to current practices?
- If so ...
  - How do we proceed?
  - Authorship?
- If not ...
  - How do we ensure datasets are clearly identified?
  - How should datasets be cited (particularly after version updates)?